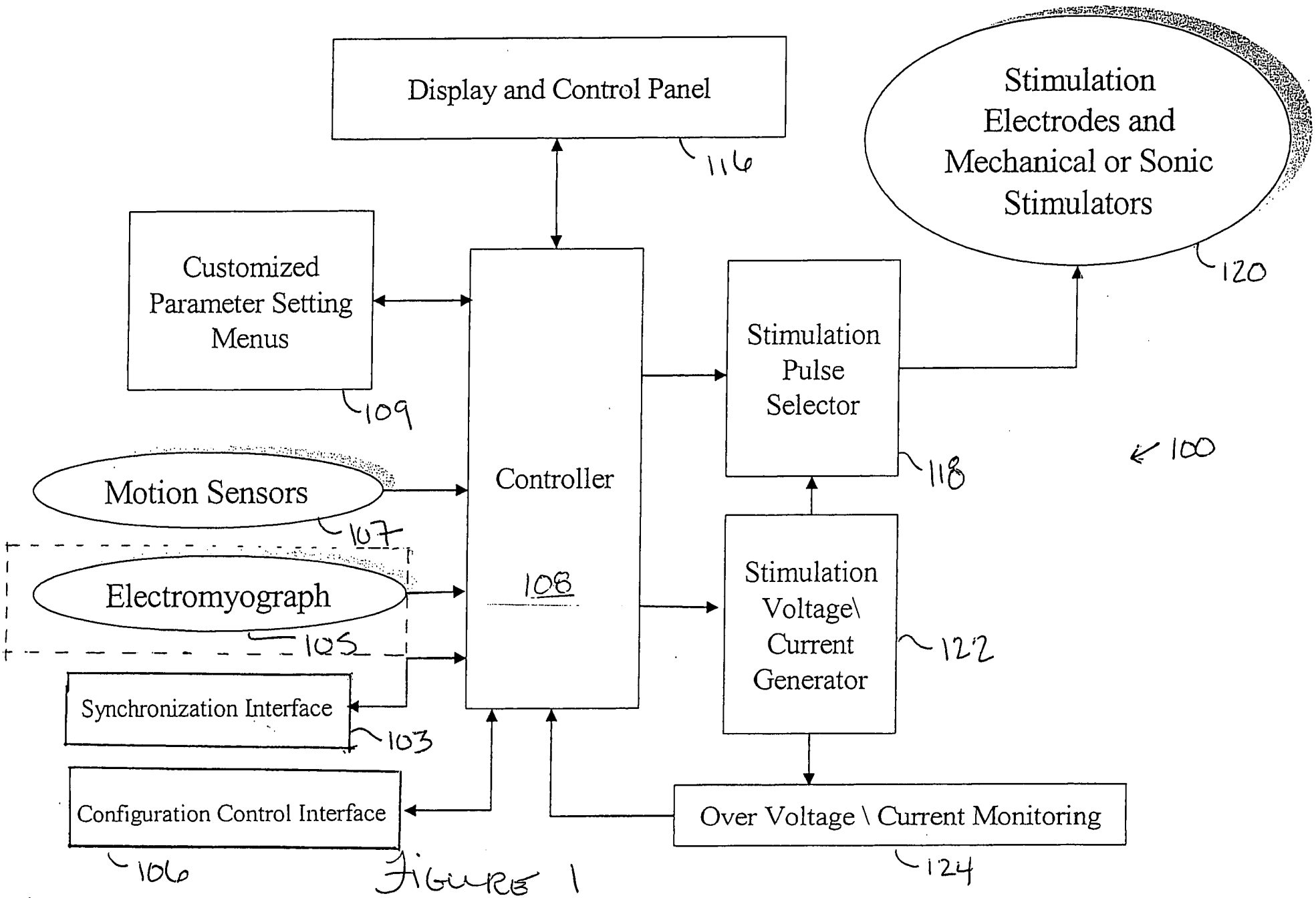

Display and Control Panel
116
Stimulation Electrodes and Mechanical or Sonic Stimulators
120
Customized Parameter Setting Menus
109
Controller
108
Stimulation Pulse Selector
118
100
Motion Sensors
107
Electromyograph
105
Stimulation Voltage\ Current Generator
122
Synchronization Interface
103
Configuration Control Interface
106
Over Voltage \ Current Monitoring
124

FIGURE 1

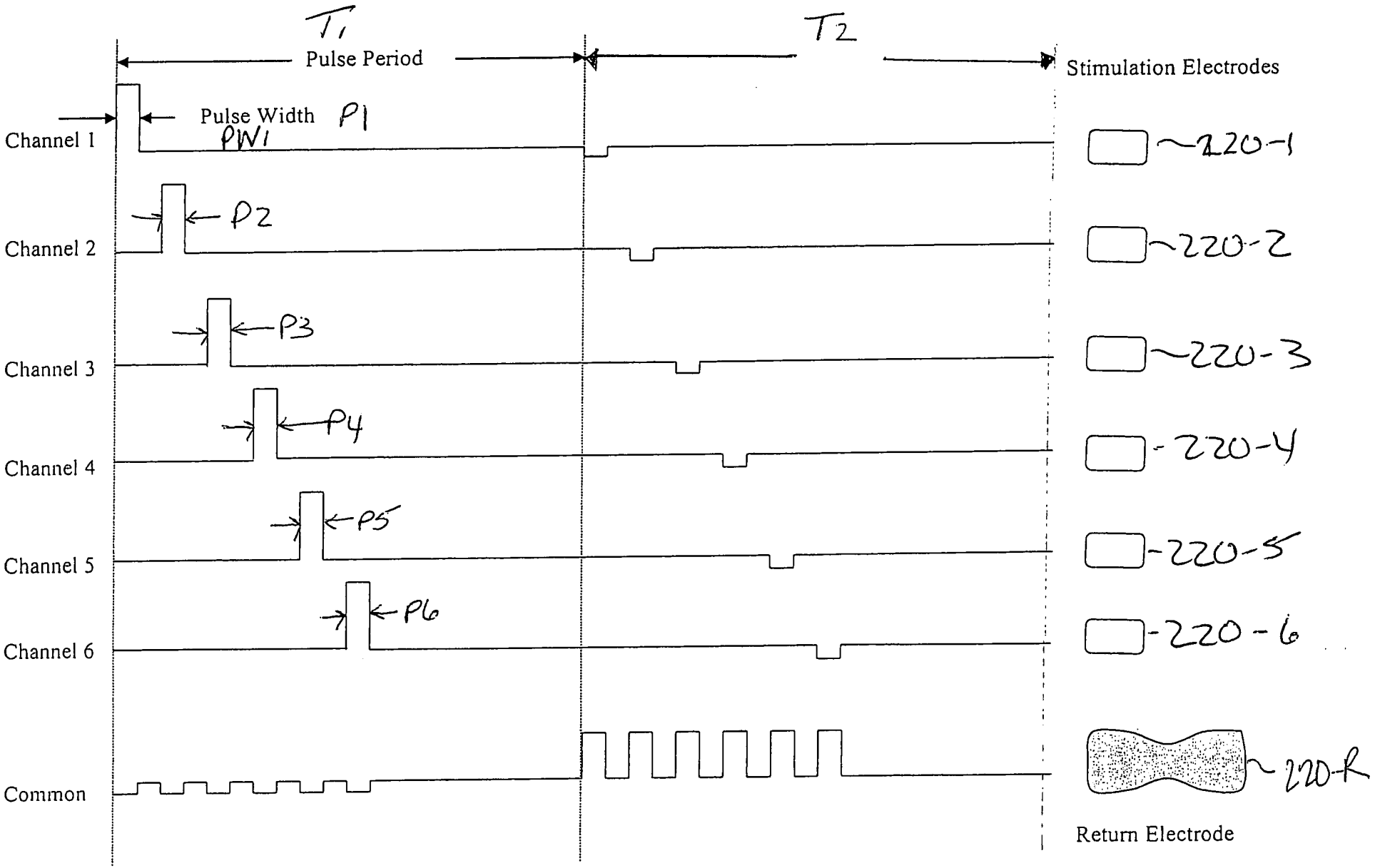

T1
Pulse Period
T2
Stimulation Electrodes
Pulse Width P1
PW1
Channel 1
220-1
P2
Channel 2
220-2
P3
Channel 3
220-3
P4
Channel 4
220-4
P5
Channel 5
220-5
P6
Channel 6
220-6
Common
220-R
Return Electrode

FIGURE 2.

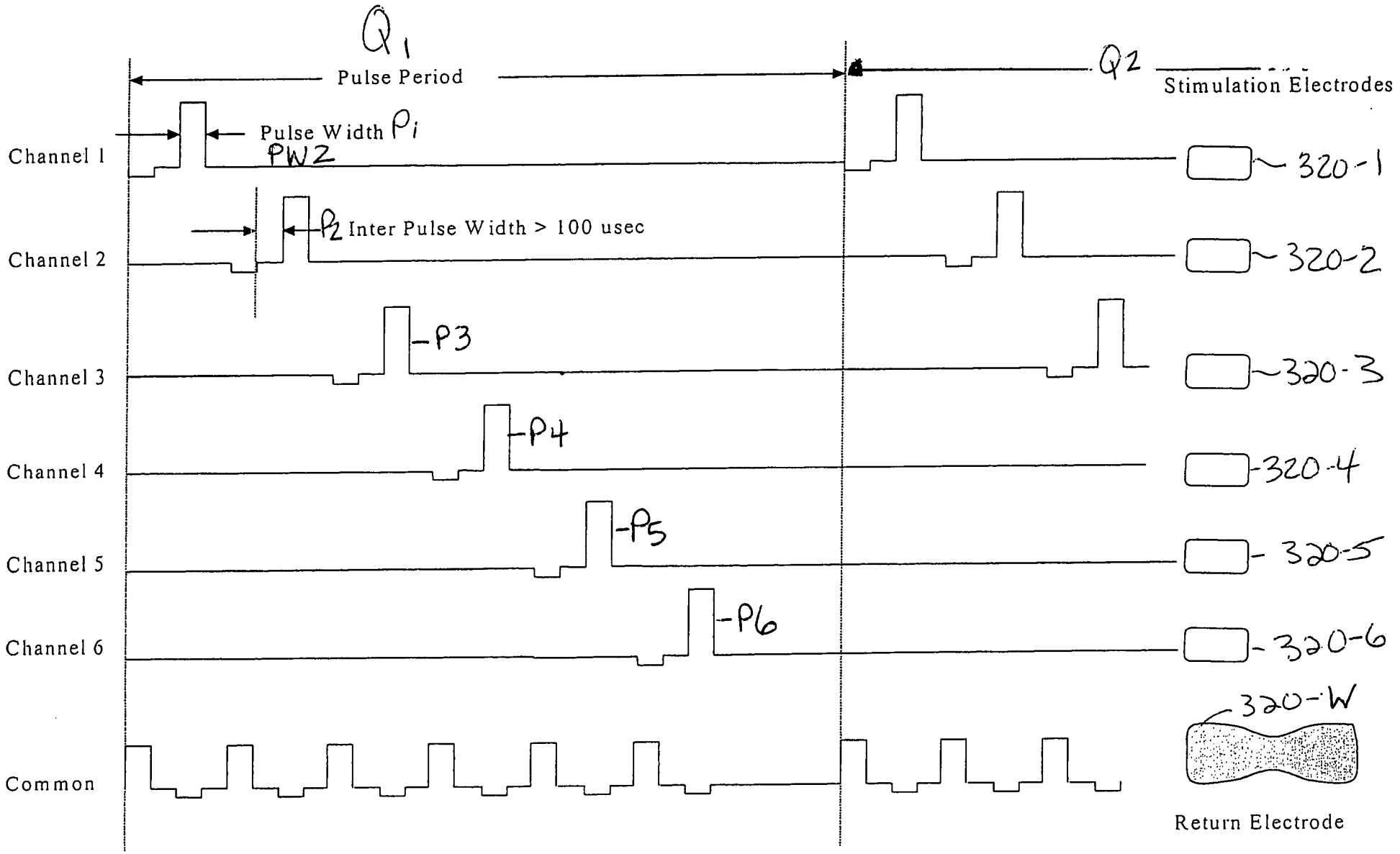

Q1
Pulse Period
Q2
Stimulation Electrodes
Pulse Width Pi
PW2
Channel 1
320-1
P2 Inter Pulse Width > 100 usec
Channel 2
320-2
P3
Channel 3
320-3
P4
Channel 4
320-4
P5
Channel 5
320-5
P6
Channel 6
320-6
320-W
Common
Return Electrode

Figure 3

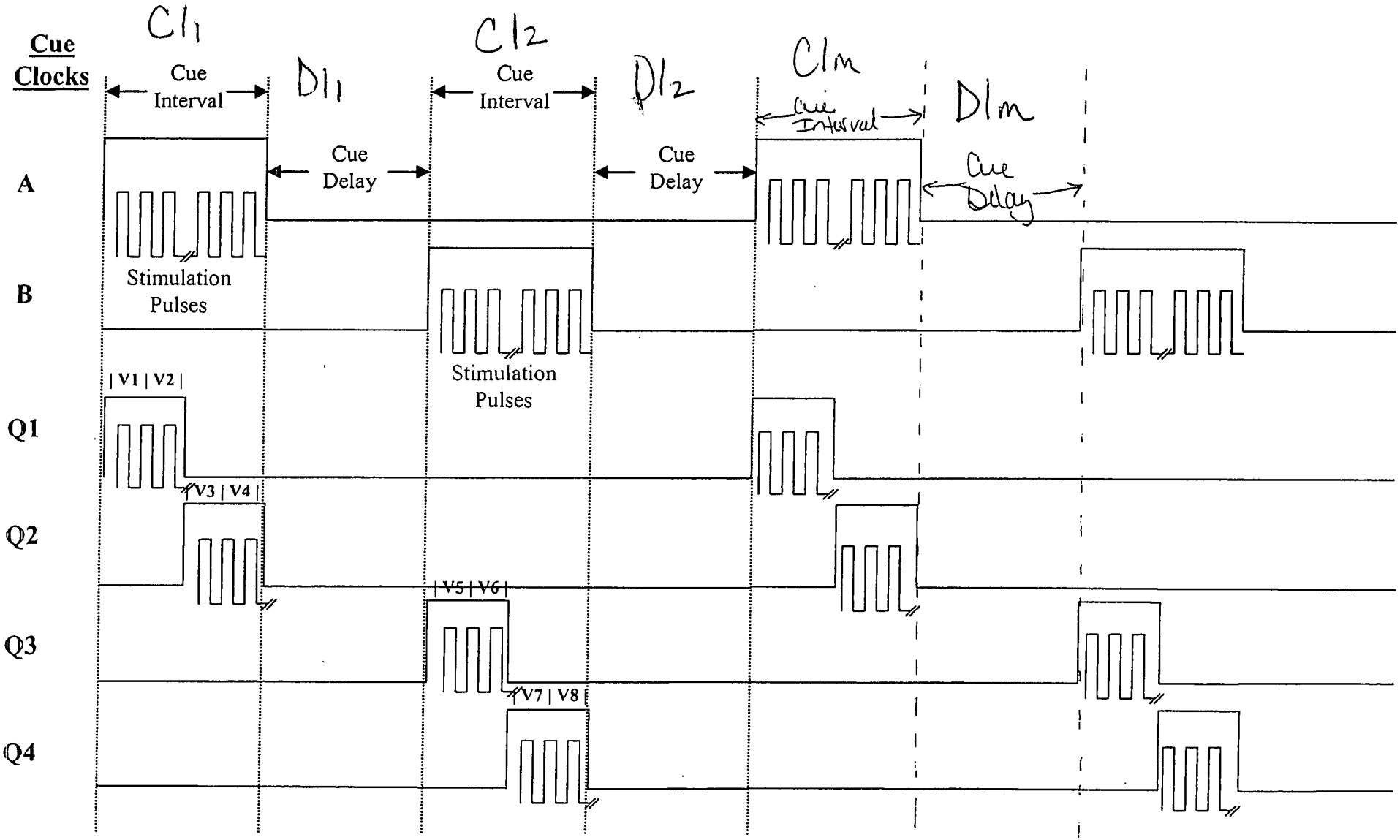

Cue Clocks
Cl1
Cue Interval
Dl1
Cl2
Cue Interval
Dl2
Clm
Cue Interval
Dlm
Cue Delay
Cue Delay
Cue Delay
A
B
Stimulation Pulses
Stimulation Pulses
| V1 | V2 |
Q1
| V3 | V4 |
Q2
| V5 | V6 |
Q3
| V7 | V8 |
Q4

FIGURE 4

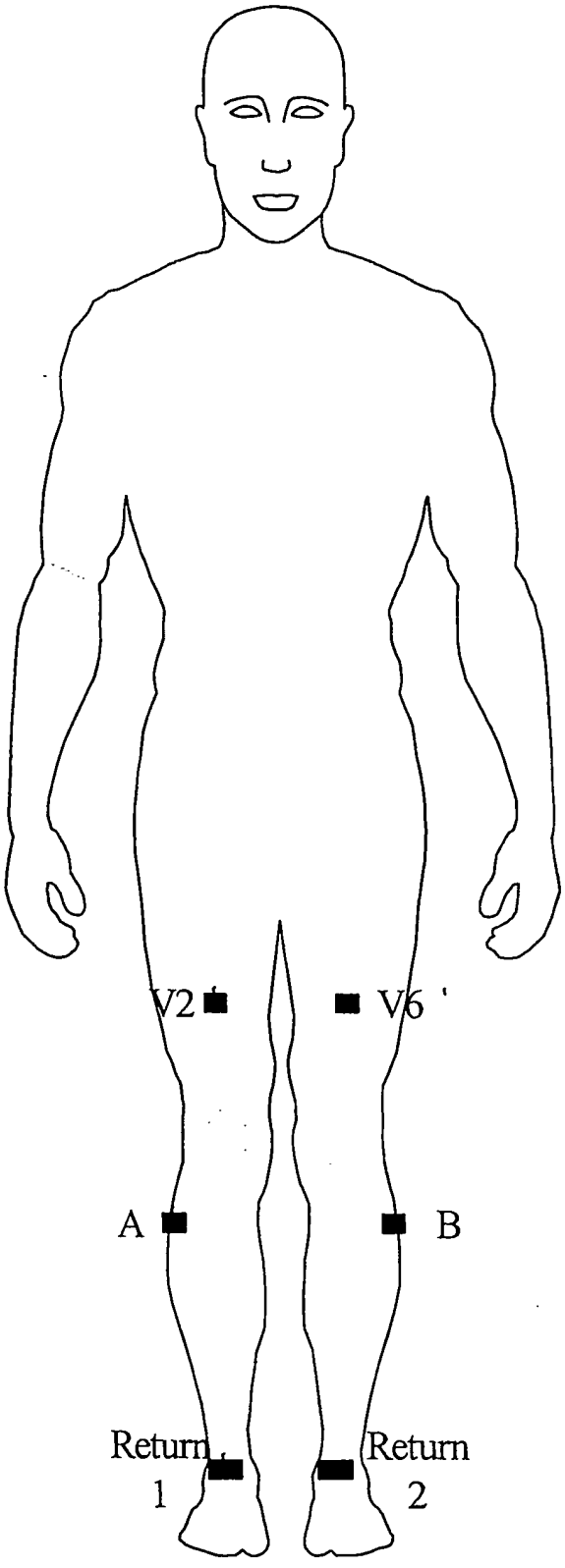


FIGURE 5A

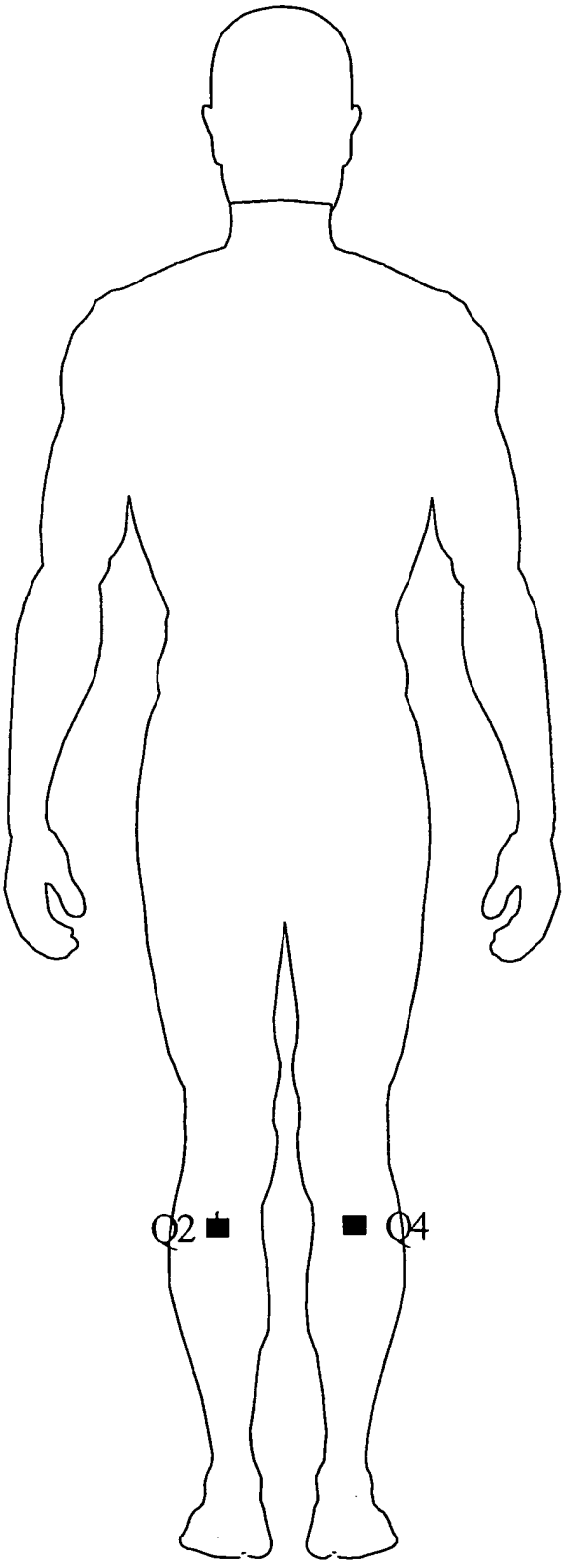


Figure 5B

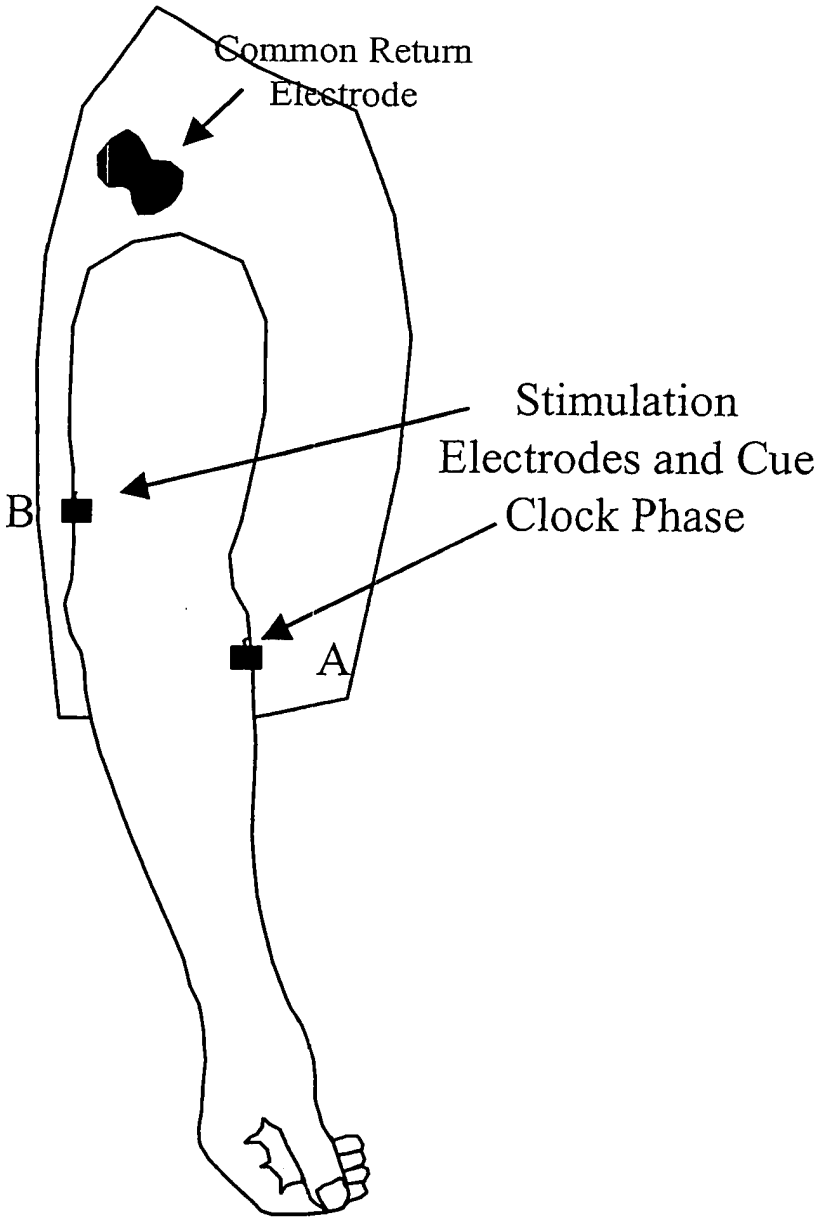

Common Return
Electrode
Stimulation
Electrodes and Cue
Clock Phase
B
A

Fig. 6 (a)

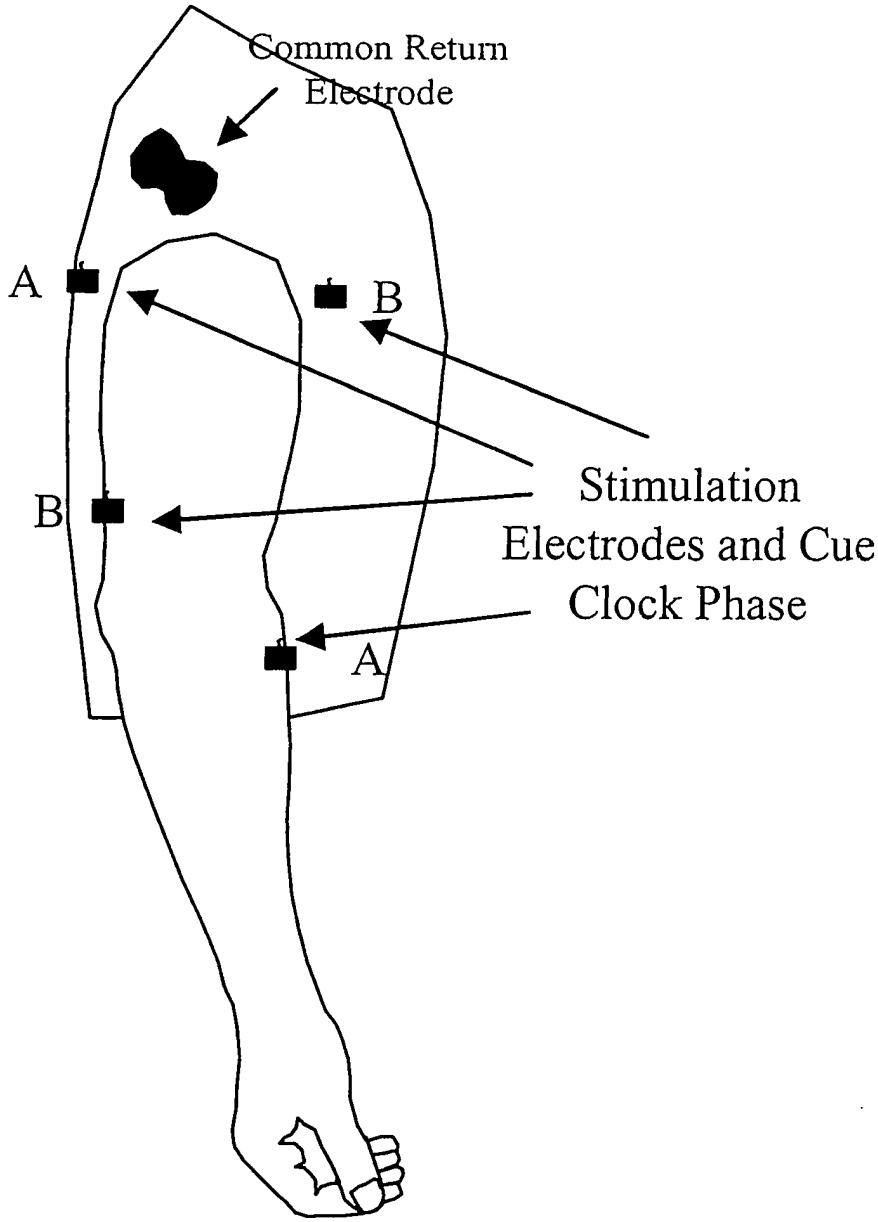
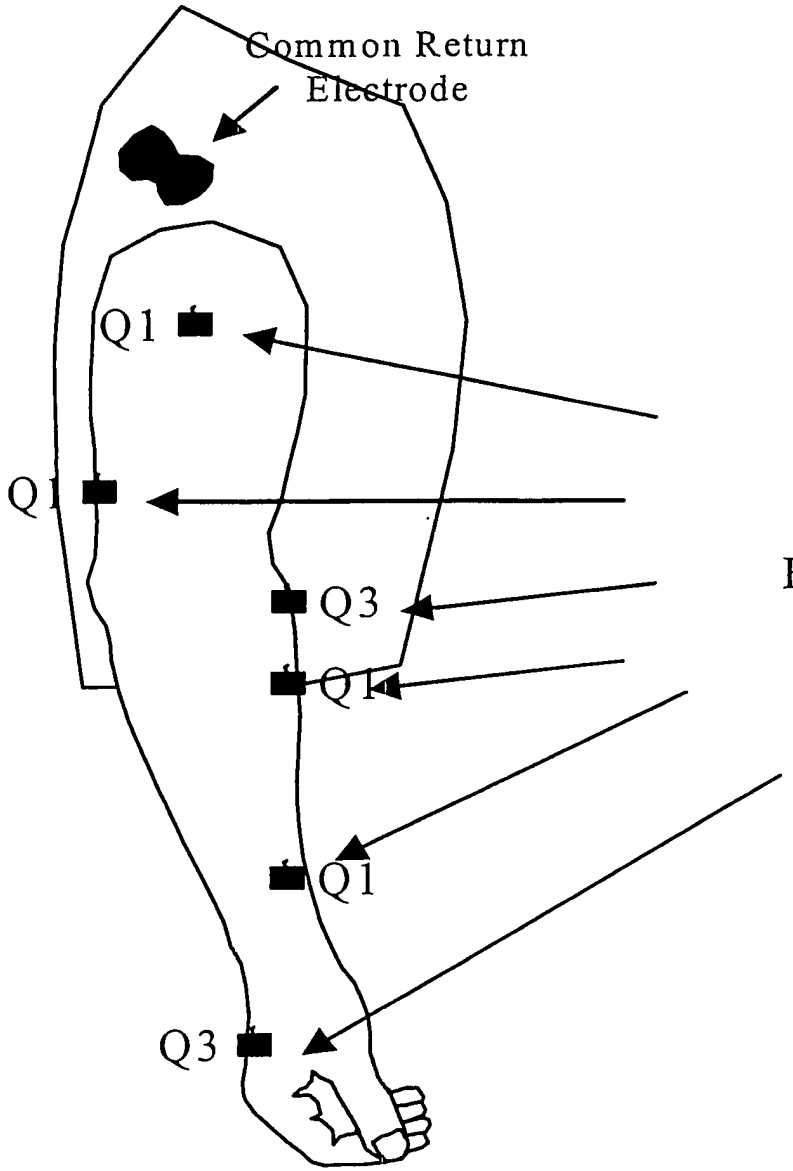

Common Return
Electrode
A
B
B
Stimulation
Electrodes and Cue
Clock Phase
A

Fig 6 (b)



Stimulation
Electrodes and Cue
Clock Phase

FIGURE 7